

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062421\
 Data File : BM030589.D
 Acq On : 24 Jun 2021 23:31
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.4704

Quant Time: Jun 25 02:27:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 24 12:48:41 2021
 Response via : Initial Calibration

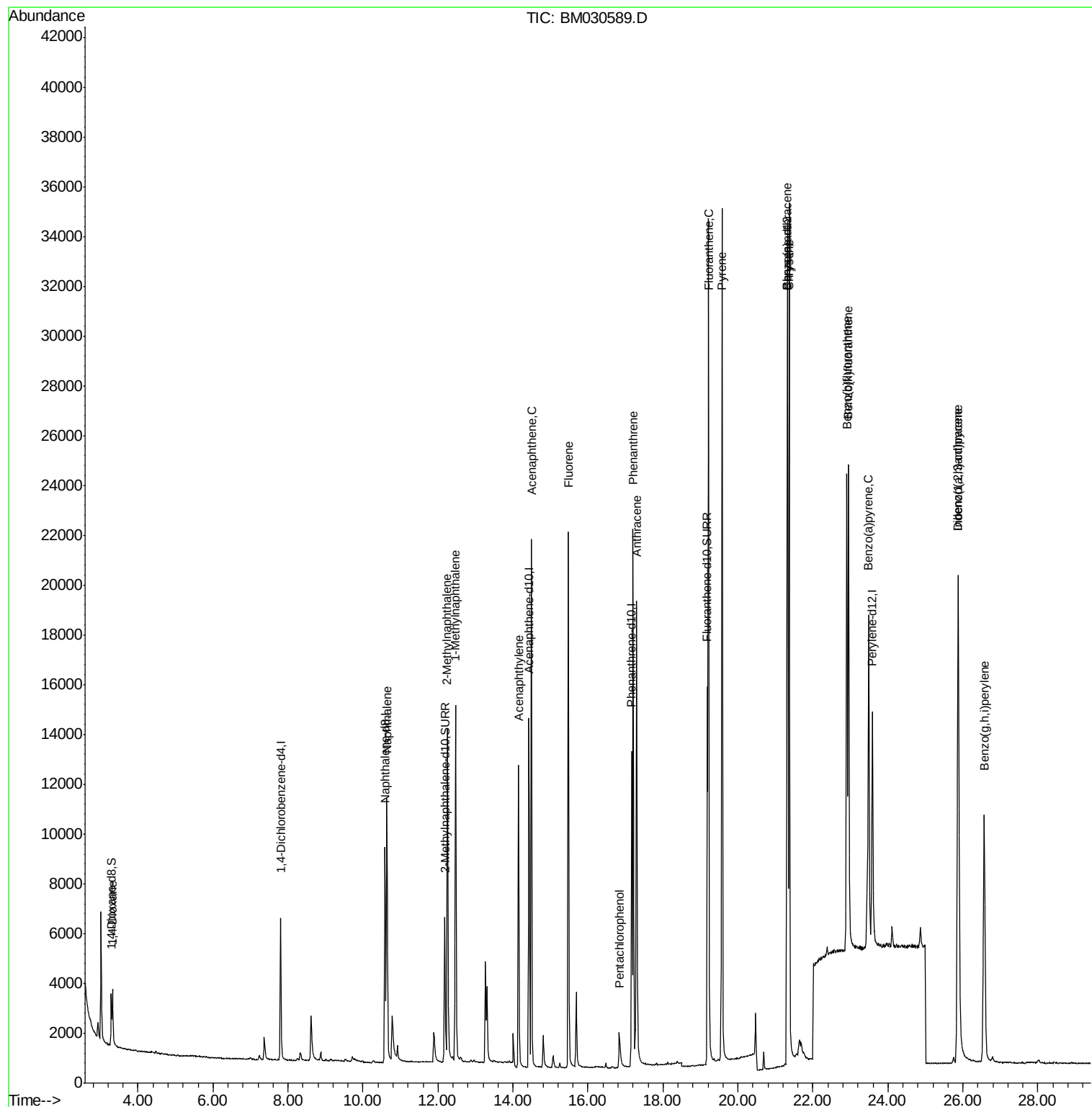
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3336	0.40	ng/ul	0.00
4) Naphthalene-d8	10.59	136	13127	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	8095	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.16	188	16647	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	18228	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	13766	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	1476	0.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.18	152	8997	0.43	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	18202	0.33	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	1528	0.411	ng/ul	98
5) Naphthalene	10.63	128	16314	0.418	ng/ul	99
7) 2-Methylnaphthalene	12.25	142	11589	0.440	ng/ul	99
8) 1-Methylnaphthalene	12.47	142	10958	0.428	ng/ul	100
10) Acenaphthylene	14.15	152	15585	0.411	ng/ul	99
11) Acenaphthene	14.49	153	12945	0.419	ng/ul	99
12) Fluorene	15.47	166	14849	0.434	ng/ul	99
14) Pentachlorophenol	16.84	266	1789	0.369	ng/ul	93
15) Phenanthrene	17.20	178	24213	0.408	ng/ul	99
16) Anthracene	17.30	178	23169	0.446	ng/ul	100
19) Fluoranthene	19.21	202	30786	0.367	ng/ul	99
20) Pyrene	19.58	202	31970	0.372	ng/ul	99
21) Benzo(a)anthracene	21.31	228	26718	0.369	ng/ul	100
22) Chrysene	21.36	228	31673	0.394	ng/ul	99
24) Benzo(b)fluoranthene	22.90	252	26409	0.441	ng/ul	99
25) Benzo(k)fluoranthene	22.95	252	27150	0.432	ng/ul	99
26) Benzo(a)pyrene	23.48	252	21828	0.411	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.87	276	26131	0.387	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.88	278	21244	0.394	ng/ul	99
29) Benzo(a,h,i)perylene	26.56	276	22370	0.383	ng/ul	99

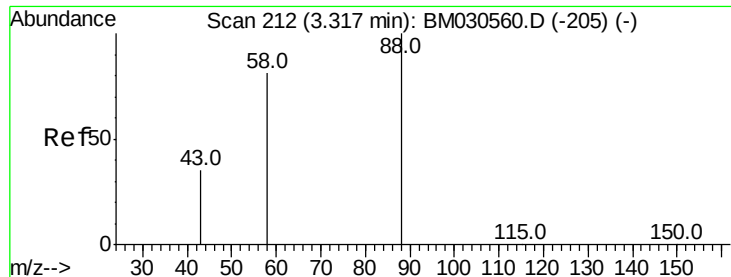
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.411 ng/ul

RT: 3.32 min Scan# 212

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

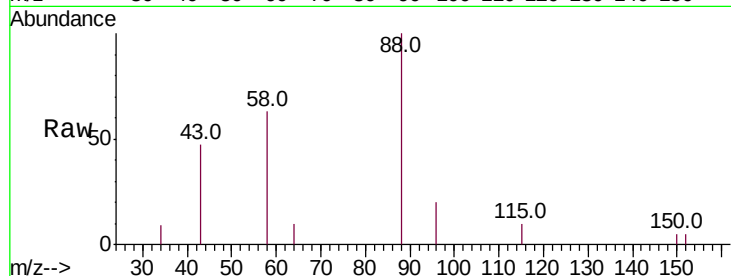
Tot Ion: 88 Resp: 1528

Ion Ratio Lower Upper

88 100

43 46.7 37.7 56.5

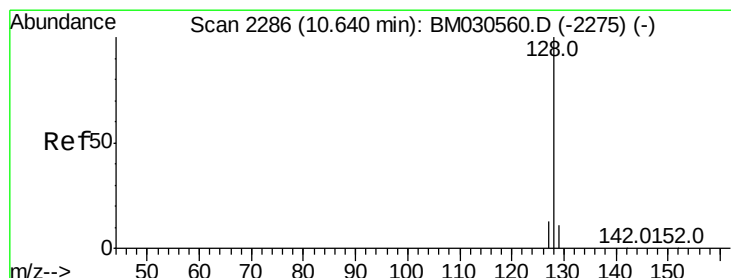
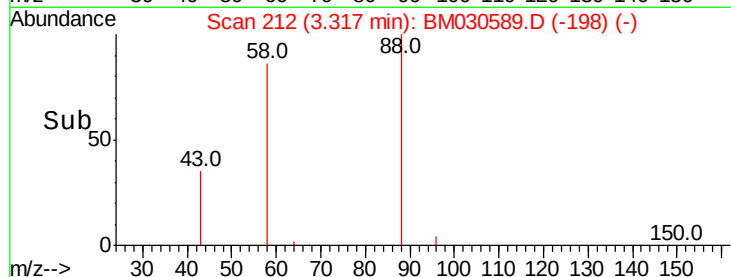
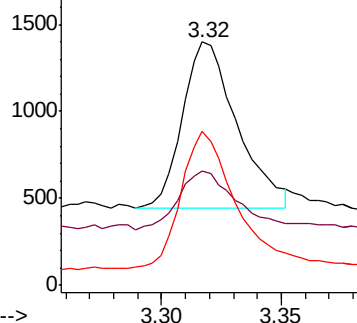
58 63.1 48.5 72.7



Abundance Ion 88.00 (87.70 to 88.70): BM030560.D (-205) (-)

Ion 43.00 (42.70 to 43.70): BM030560.D (-205) (-)

Ion 58.00 (57.70 to 58.70): BM030560.D (-205) (-)



#5

Naphthalene

Concen: 0.418 ng/ul

RT: 10.63 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

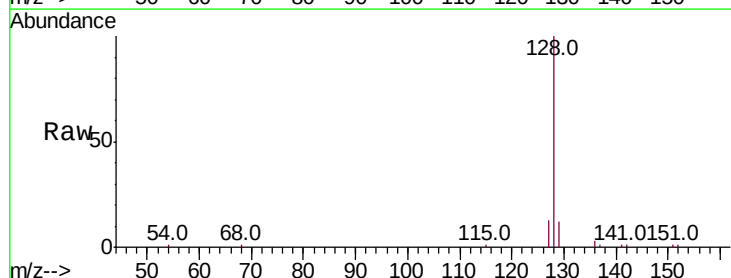
Tgt Ion: 128 Resp: 16314

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

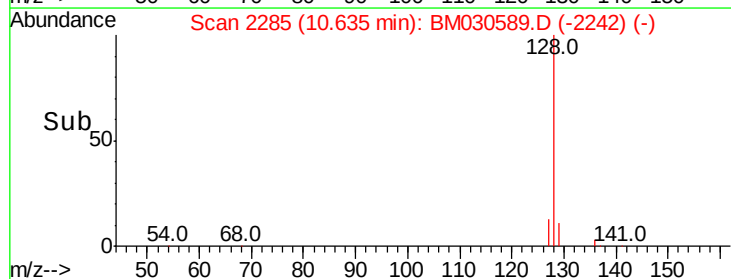
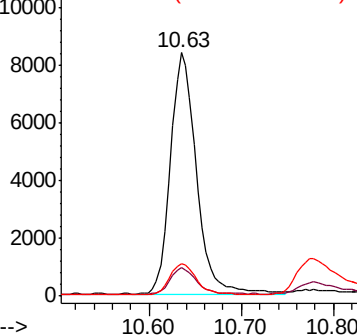
127 13.4 10.9 16.3

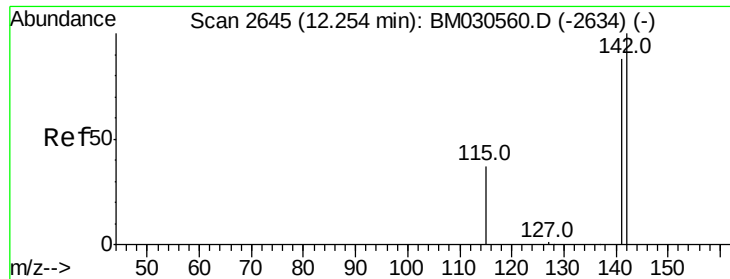


Abundance Ion 128.00 (127.70 to 128.70): BM030560.D (-2275) (-)

Ion 129.00 (128.70 to 129.70): BM030560.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): BM030560.D (-2275) (-)





#7

2-Methylnaphthalene

Concen: 0.440 ng/ul

RT: 12.25 min Scan# 2644

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

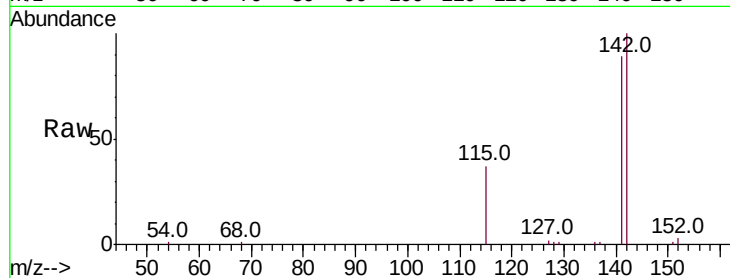
SSTD0.4704

Tot Ion:142 Resp: 11589

Ion Ratio Lower Upper

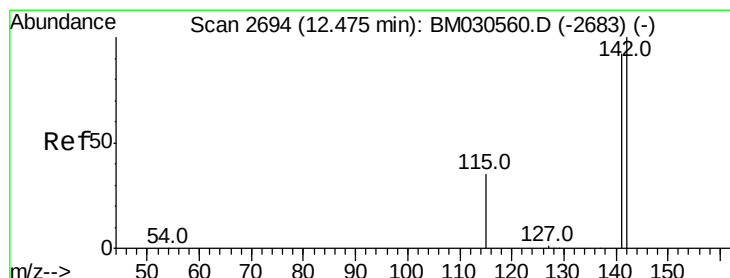
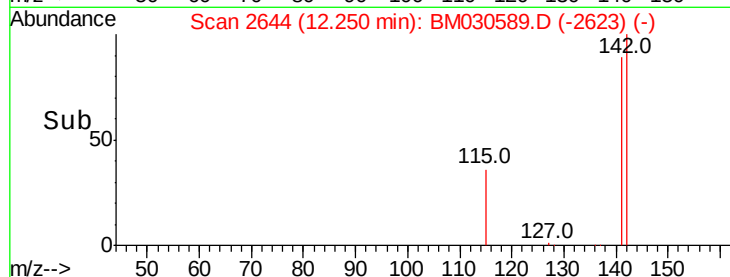
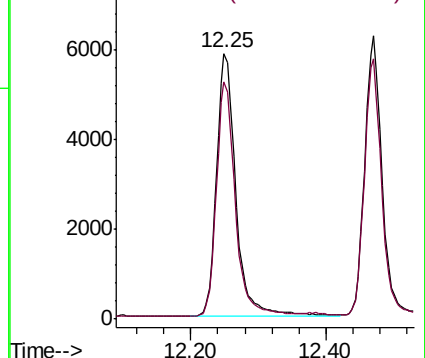
142 100

141 89.8 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.428 ng/ul

RT: 12.47 min Scan# 2693

Delta R.T. -0.00 min

Lab File: BM030589.D

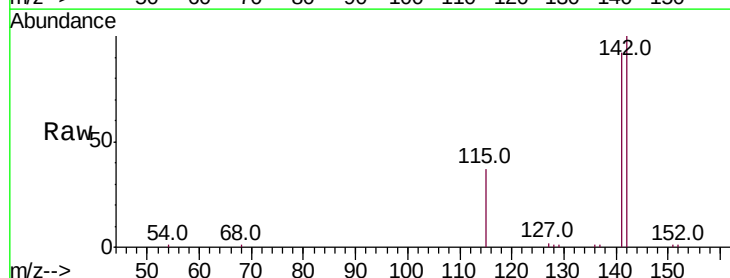
Acq: 24 Jun 2021 23:31

Tgt Ion:142 Resp: 10958

Ion Ratio Lower Upper

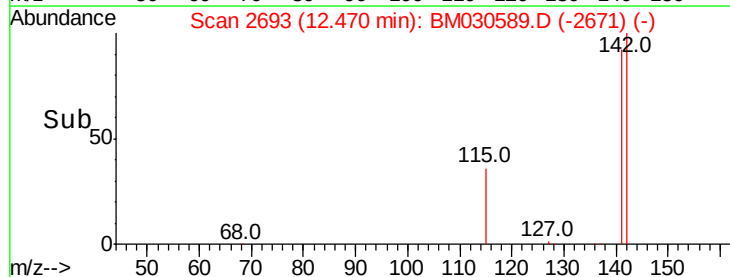
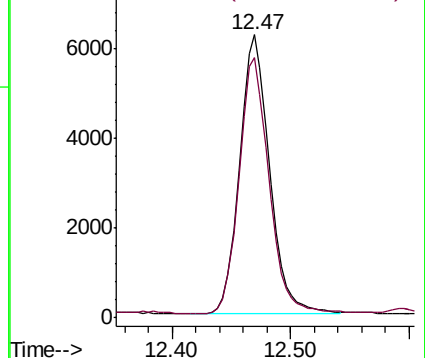
142 100

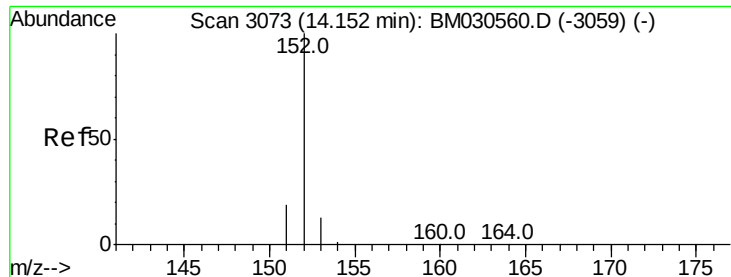
141 92.0 73.4 110.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.411 ng/ul

RT: 14.15 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

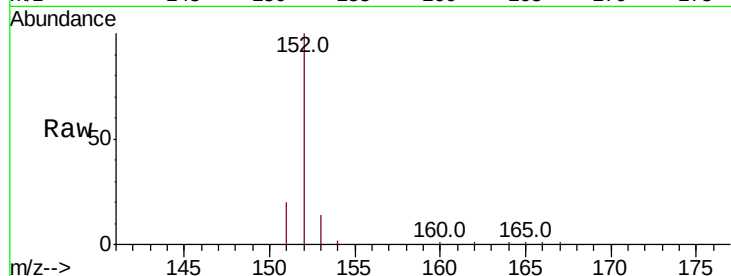
Tot Ion:152 Resp: 15585

Ion Ratio Lower Upper

152 100

151 20.0 15.5 23.3

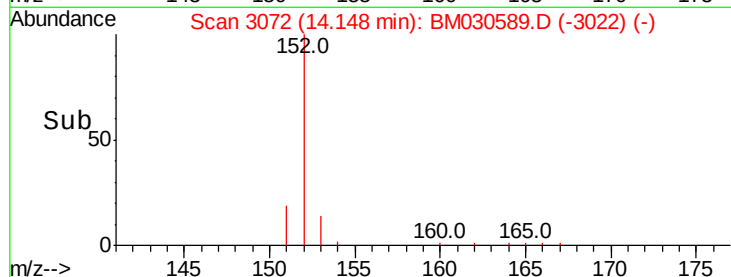
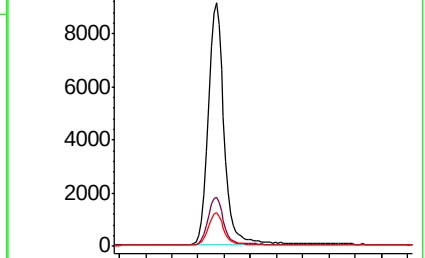
153 13.6 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.419 ng/ul

RT: 14.49 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

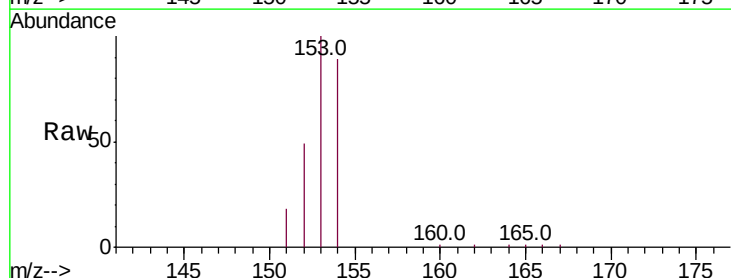
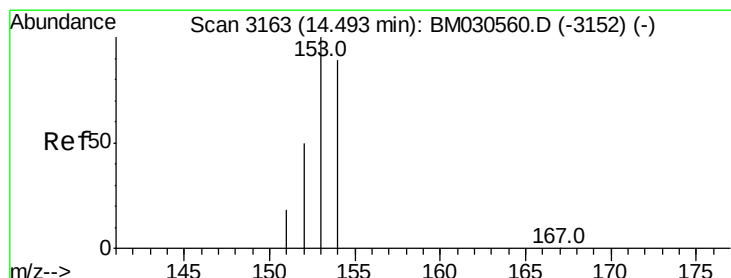
Tgt Ion:153 Resp: 12945

Ion Ratio Lower Upper

153 100

152 48.8 40.2 60.2

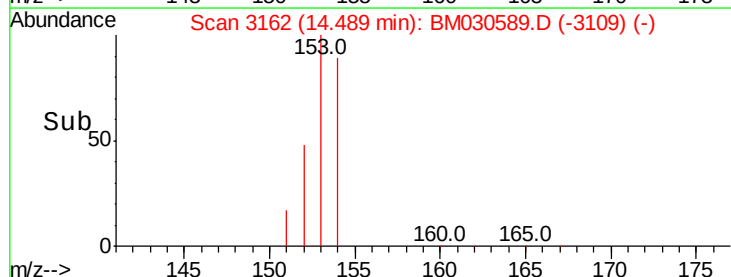
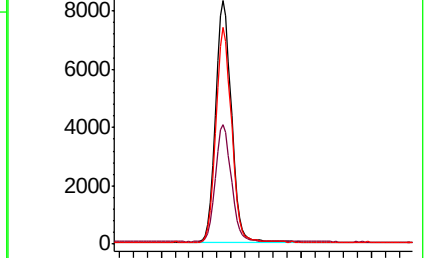
154 89.0 71.2 106.8

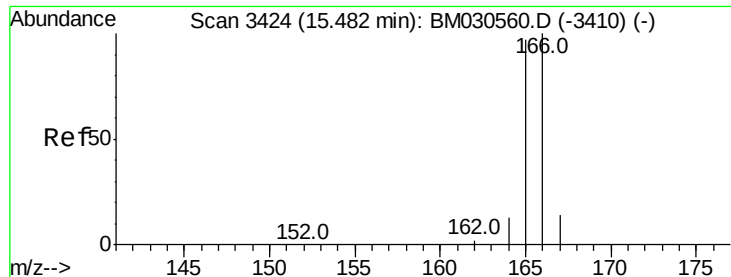


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.434 ng/ul

RT: 15.47 min Scan# 3422

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

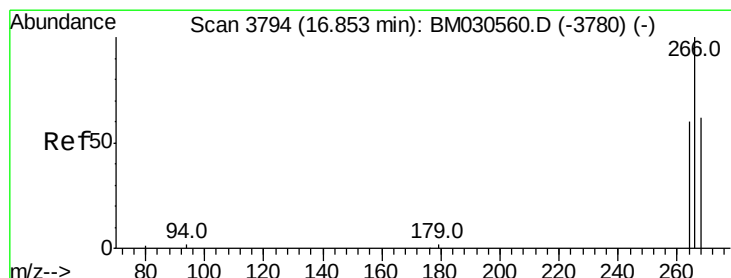
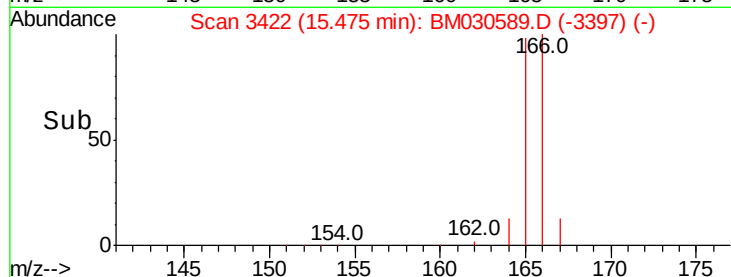
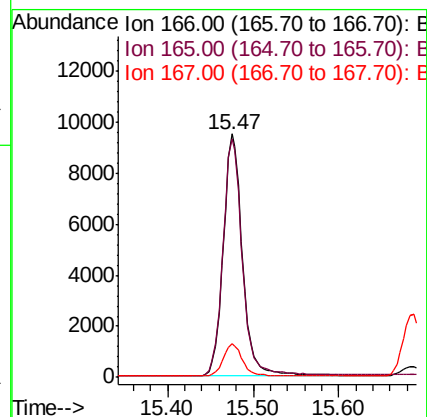
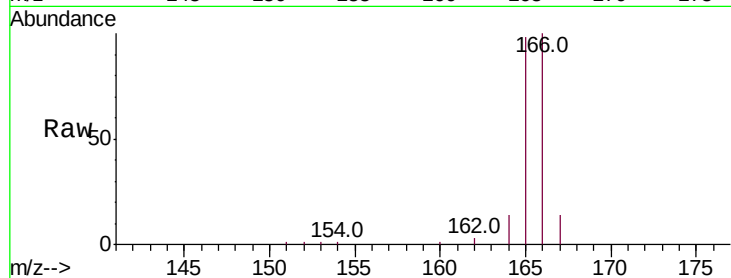
Tot Ion:166 Resp: 14849

Ion Ratio Lower Upper

166 100

165 98.0 77.7 116.5

167 13.7 11.3 16.9



#14

Pentachlorophenol

Concen: 0.369 ng/ul

RT: 16.84 min Scan# 3789

Delta R.T. -0.03 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

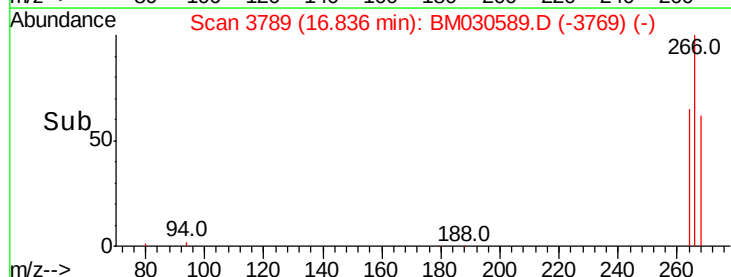
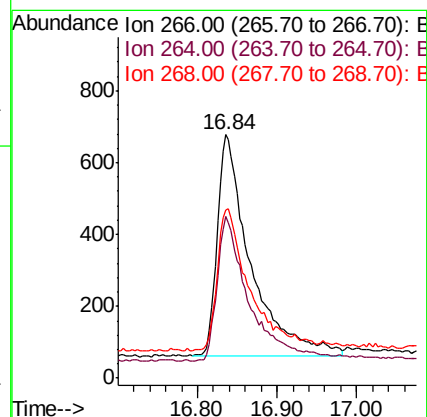
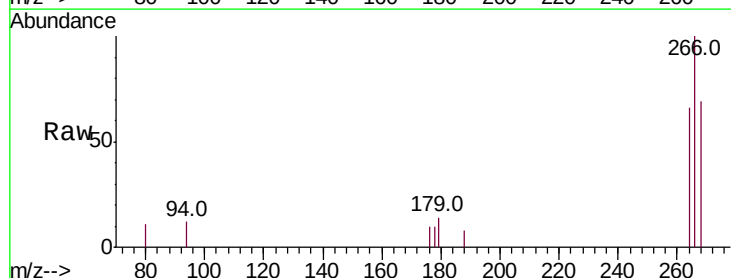
Tgt Ion:266 Resp: 1789

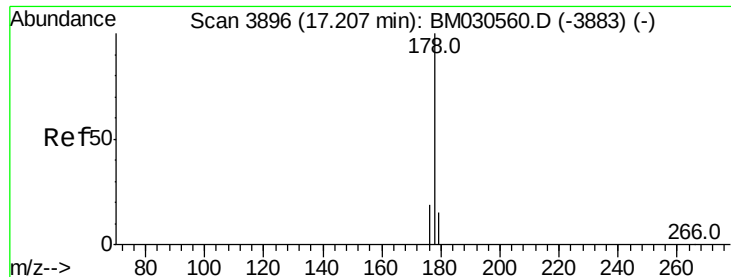
Ion Ratio Lower Upper

266 100

264 66.0 47.7 71.5

268 64.0 47.5 71.3





#15

Phenanthrene

Concen: 0.408 ng/ul

RT: 17.20 min Scan# 3895

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

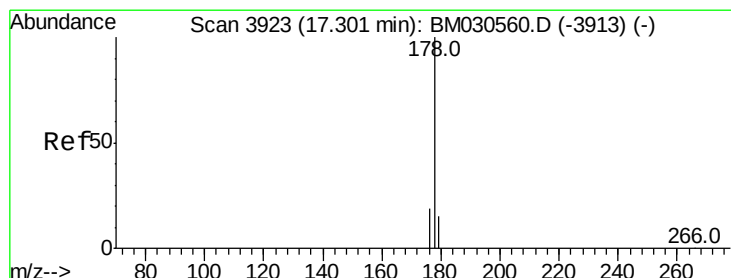
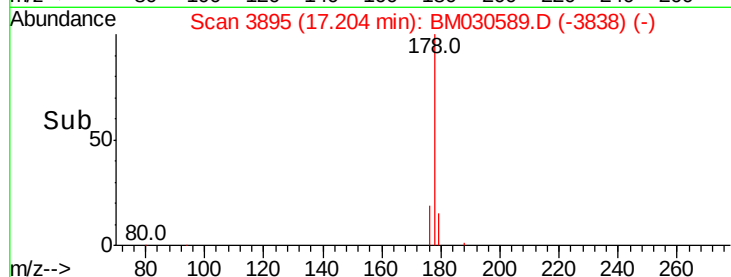
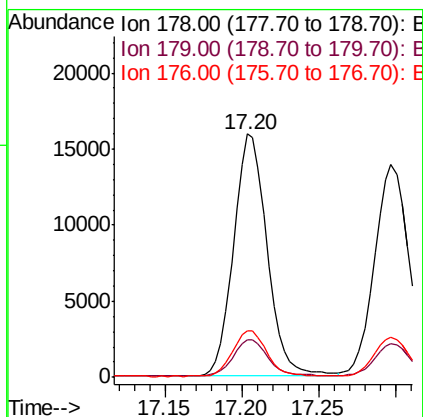
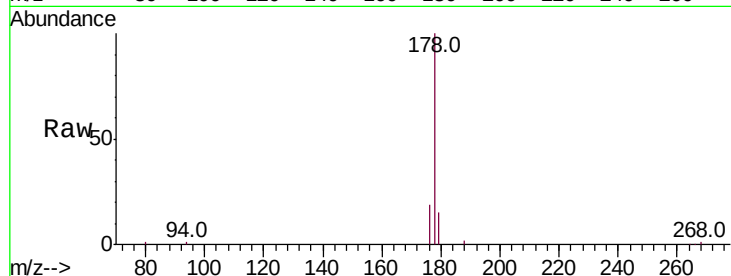
Tot Ion:178 Resp: 24213

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.3 15.5 23.3



#16

Anthracene

Concen: 0.446 ng/ul

RT: 17.30 min Scan# 3922

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

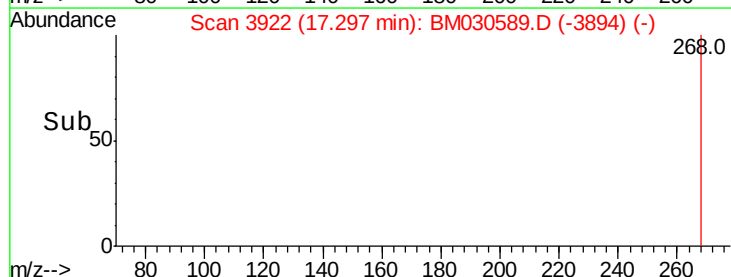
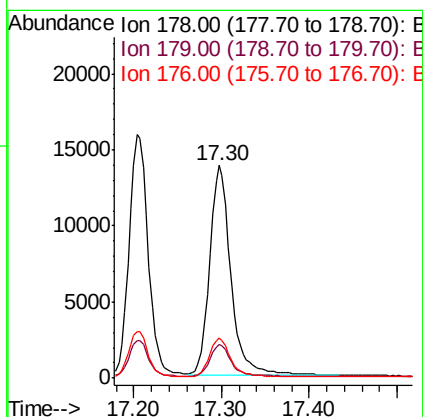
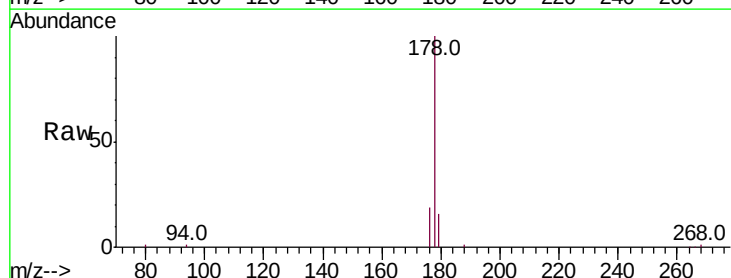
Tgt Ion:178 Resp: 23169

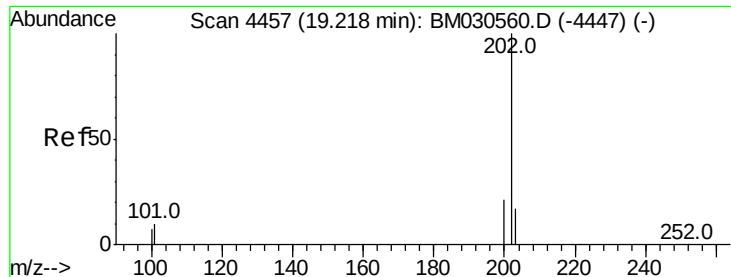
Ion Ratio Lower Upper

178 100

179 15.8 12.7 19.1

176 18.8 15.2 22.8





#19

Fluoranthene

Concen: 0.367 ng/ul

RT: 19.21 min Scan# 4456

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

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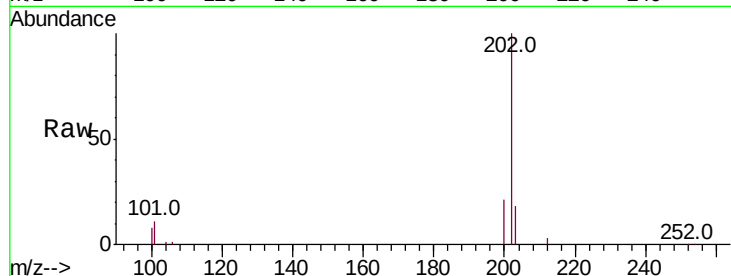
Tot Ion:202 Resp: 30786

Ion Ratio Lower Upper

202 100

101 10.6 8.8 13.2

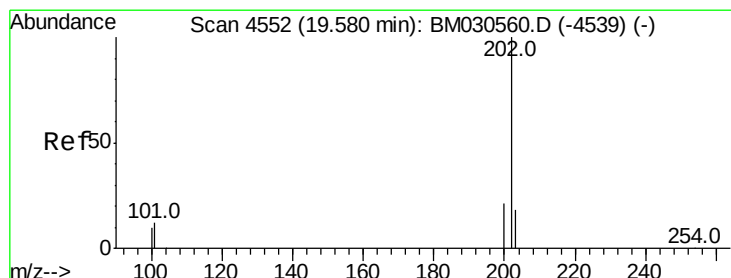
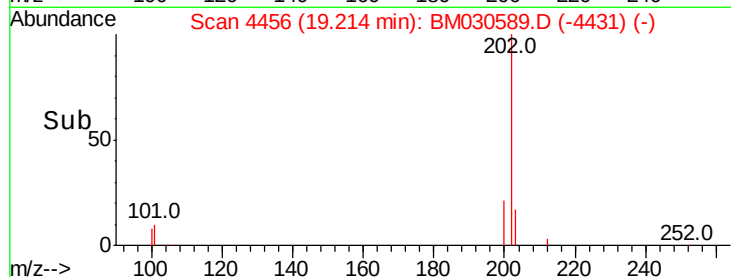
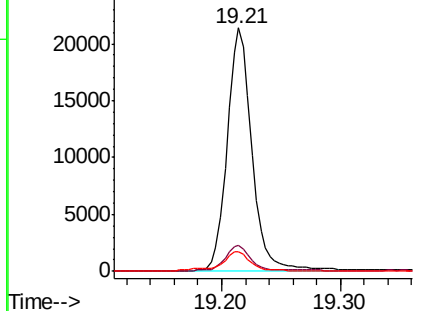
100 8.0 6.9 10.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 0.372 ng/ul

RT: 19.58 min Scan# 4551

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

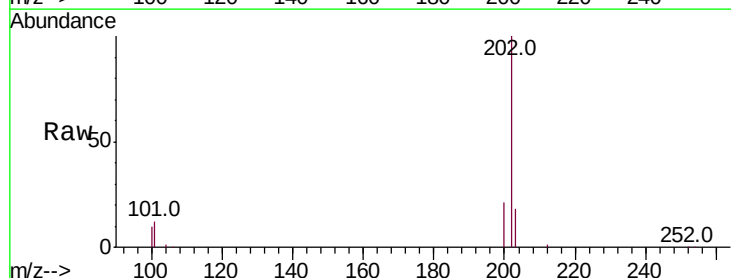
Tgt Ion:202 Resp: 31970

Ion Ratio Lower Upper

202 100

101 12.2 10.1 15.1

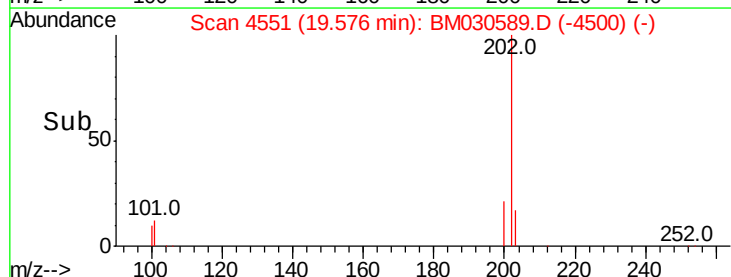
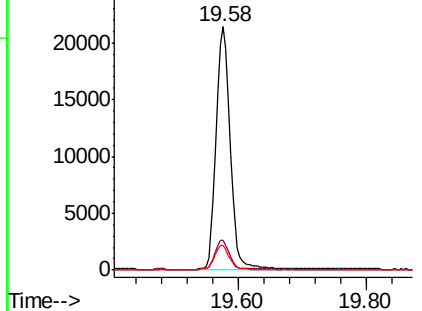
100 9.9 8.2 12.2

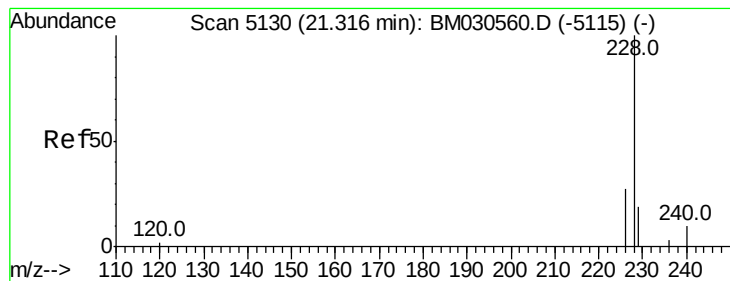


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.369 ng/ul

RT: 21.31 min Scan# 5128

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

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SSTD0.4704

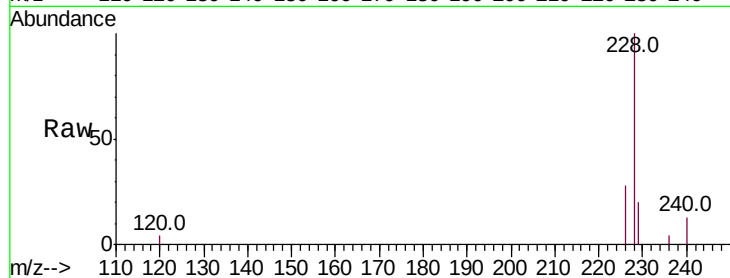
Tot Ion:228 Resp: 26718

Ion Ratio Lower Upper

228 100

229 19.6 15.8 23.6

226 27.5 22.2 33.4

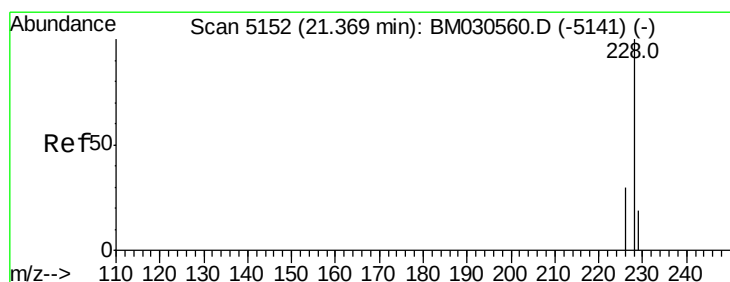
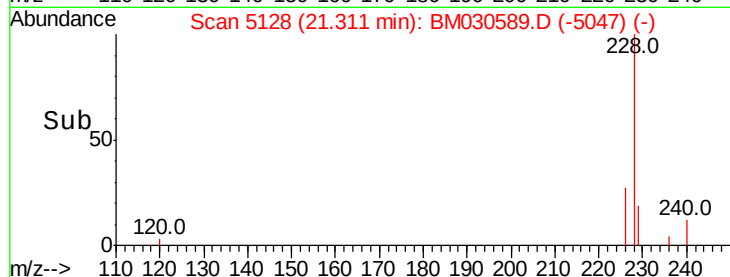
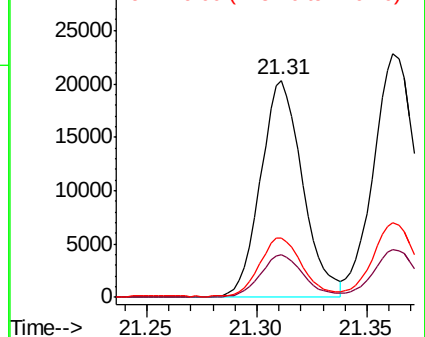


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 0.394 ng/ul

RT: 21.36 min Scan# 5149

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

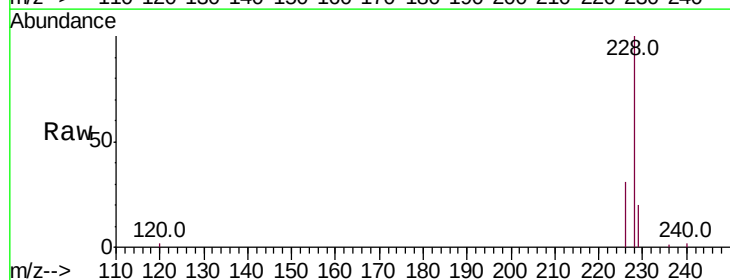
Tgt Ion:228 Resp: 31673

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.7 15.4 23.0

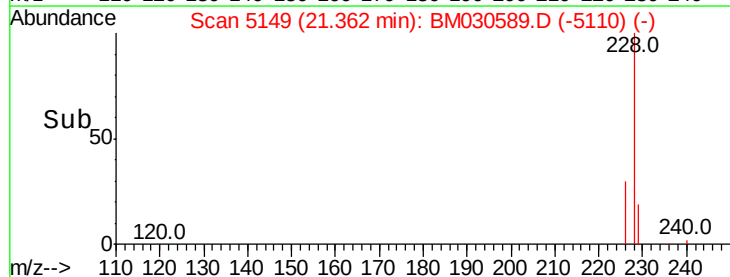
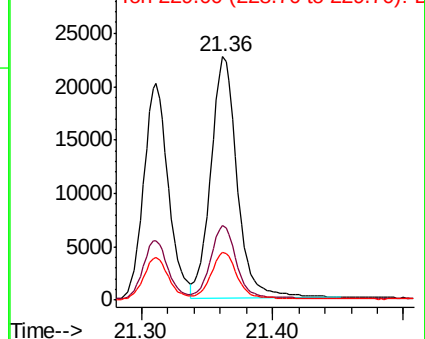


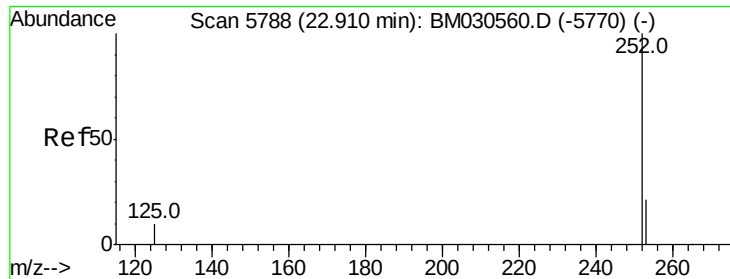
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.441 ng/ul

RT: 22.90 min Scan# 5786

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

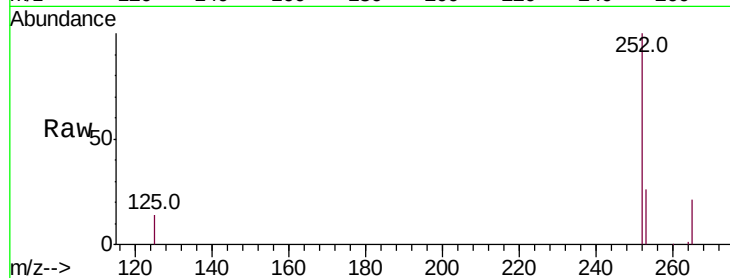
Tot Ion:252 Resp: 26409

Ion Ratio Lower Upper

252 100

253 26.0 0.0 50.2

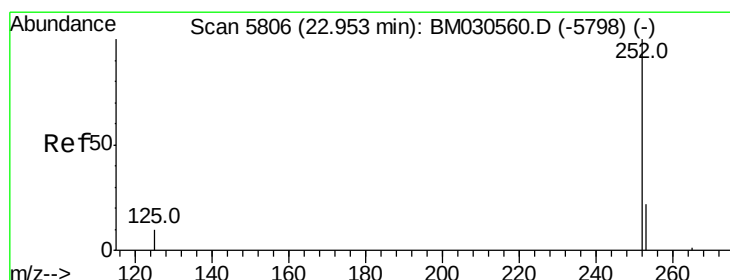
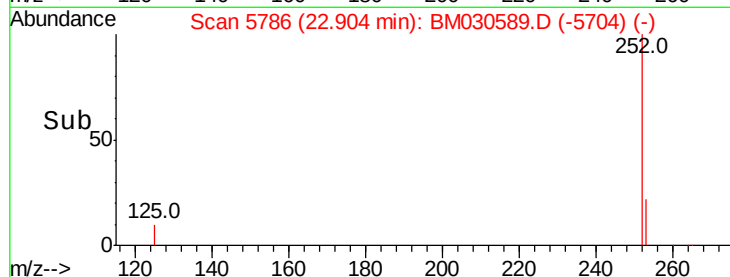
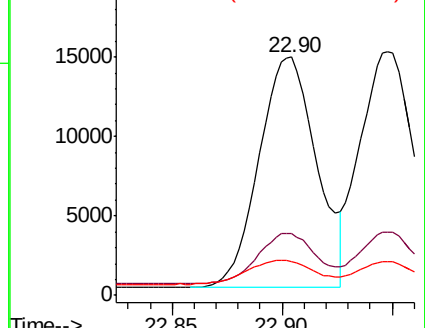
125 14.1 0.0 27.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 0.432 ng/ul

RT: 22.95 min Scan# 5804

Delta R.T. -0.00 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

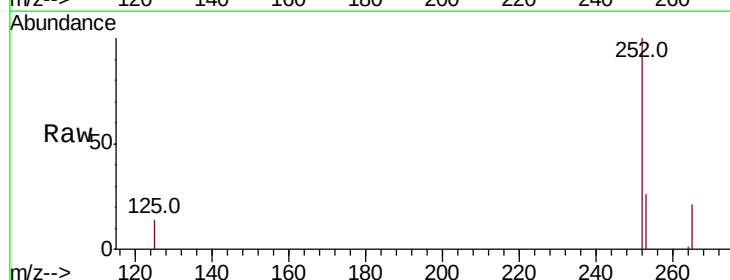
Tgt Ion:252 Resp: 27150

Ion Ratio Lower Upper

252 100

253 26.1 20.6 31.0

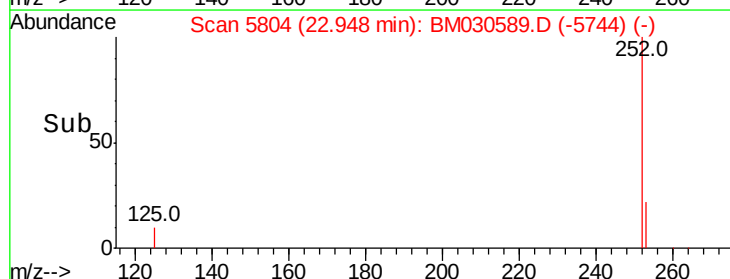
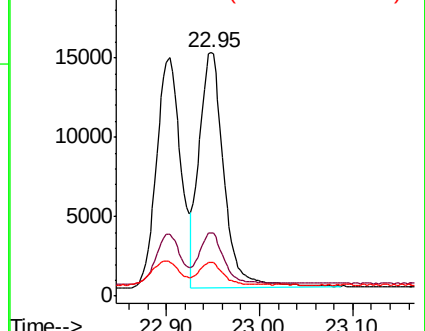
125 14.0 11.0 16.4

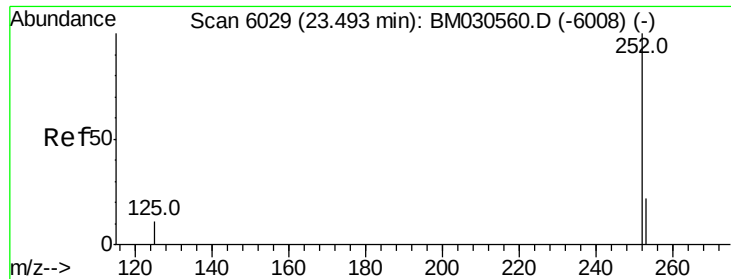


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.48 min Scan# 6025

Delta R.T. -0.01 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

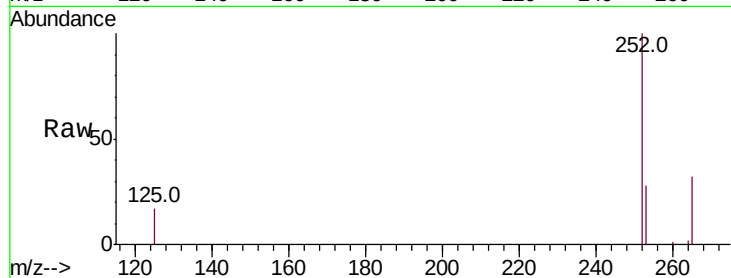
Tot Ion:252 Resp: 21828

Ion Ratio Lower Upper

252 100

253 28.2 22.0 33.0

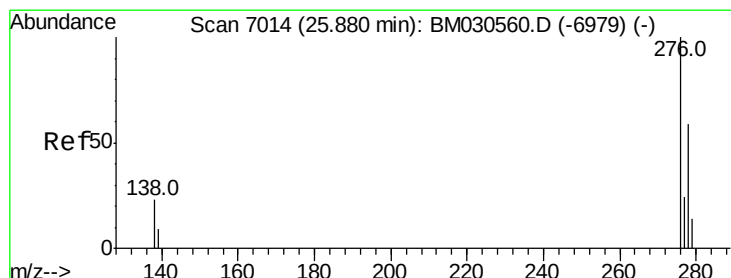
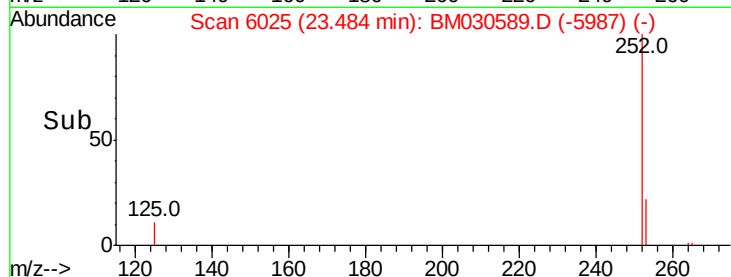
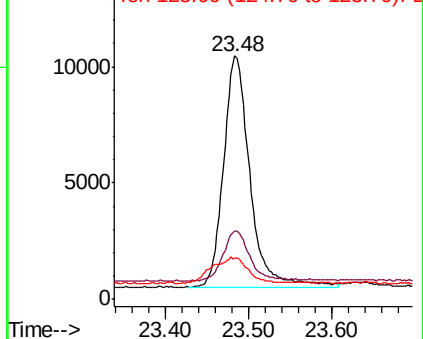
125 16.9 13.4 20.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.387 ng/ul

RT: 25.87 min Scan# 7008

Delta R.T. -0.01 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

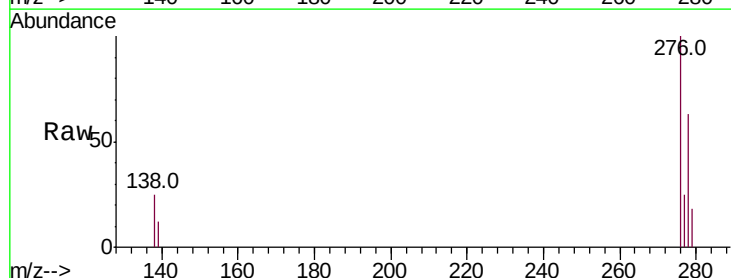
Tgt Ion:276 Resp: 26131

Ion Ratio Lower Upper

276 100

138 24.3 19.1 28.7

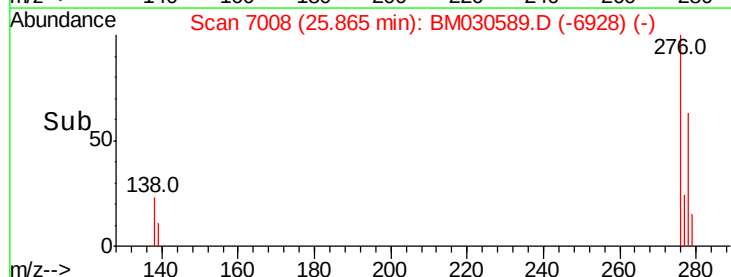
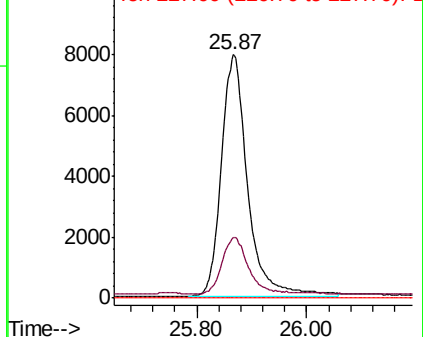
227 0.0 0.0 0.0

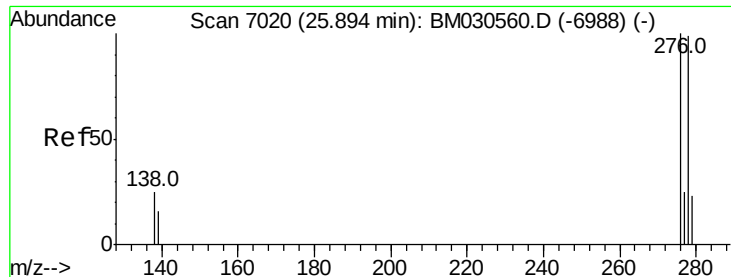


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.394 ng/ul

RT: 25.88 min Scan# 7013

Delta R.T. -0.01 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.4704

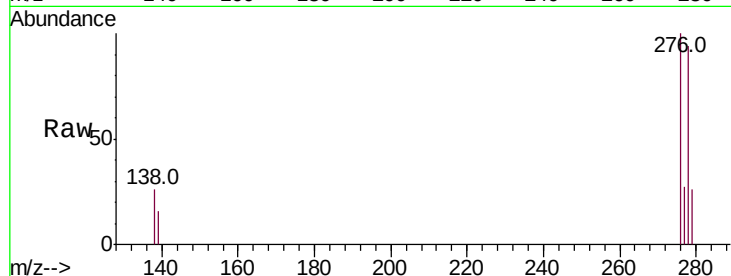
Tot Ion:278 Resp: 21244

Ion Ratio Lower Upper

278 100

139 17.6 14.2 21.4

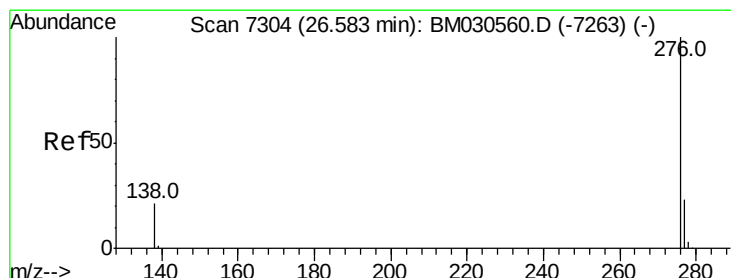
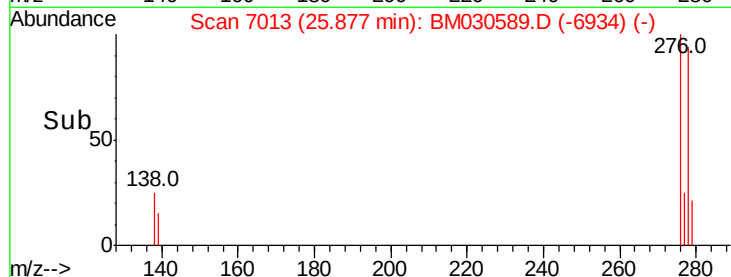
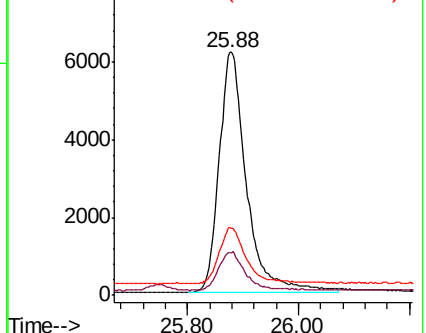
279 27.5 21.6 32.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 0.383 ng/ul

RT: 26.56 min Scan# 7296

Delta R.T. -0.01 min

Lab File: BM030589.D

Acq: 24 Jun 2021 23:31

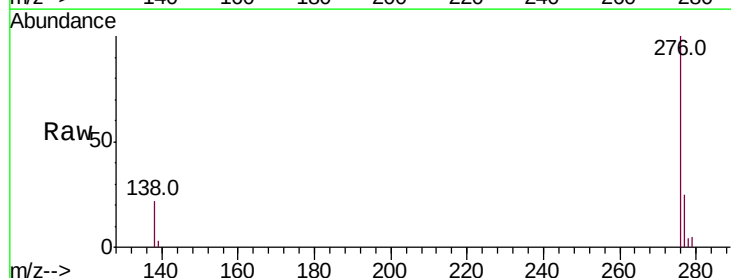
Tgt Ion:276 Resp: 22370

Ion Ratio Lower Upper

276 100

138 22.2 18.0 27.0

277 24.8 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

